GoldStar Audio **SERVICE MANUAL**

for service technician





CASSETTE RECORDER

with RADIO

TCR-122 (FM/MW/LW)

SPECIFICATIONS

This specifications may be changed for improvement of performance without notice.

Radio section

Circuit system Superheterodyne

AM/FM

Antenna MW/LW: Ferrite ant.

FM: Rod ant.

Frequency range MW: 525-1605 kHz

LW: 150-350 kHz FM: 88-109 MHz

Sensitivity MW : 56 dB

LW: 60 dB

FM: 20 dB

Signal to noise ratio ... AM: 36 dB

FM: 50 dB

Cassette section

Circuit system 2 Track Recording system DC Bias Erasure system DC Erasure

Tape speed 4.75cm/sec

F.F. & REW time 100 sec

Wow & Flutter 0.2% WRMS

Frequency response ... PB: 125-8000 Hz

REC/PB: 125-8000 Hz

Signal to noise ratio ... 35 dB

General

Power output 1W

Power supply AC: 220V

DC: 6V ("C" cell 1.5x4)

Power consumption ... 3W

Semi-conductors 2IC's, 2TR's, 8 Diodes

Speaker 90mm (4 Ω)

Weight 2kg (without batt.)

Dimensions 92(W)x202(H)x301(D)mm

Caution: The graphical symbols on the schematic and the parts list diagram designates components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit.

The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

To the service technician

The service manual contains detailed service information for Model TCR-122.

Illustration of the model appears on front cover.

Please give attention to next caution.

The following are the safety servicing guidelines for all audio amplifiers and radio receivers.

Service work should be performed only after you are familiar with all of the following safety guide. To do otherwise increases the risk of potential hazards and injury to the user.

Safety guide

- 1. Be sure that all components are positioned in such a way to avoid possibility of adjacent components shorts. This is especially important on those chassis which are transported to and from the rapair shop.
- 2. Always replace all protective devices such as insulators and barriers after working on a receiver.
- 3. Check for frayed insulation on wires including the AC-cord. Also check across-the-line components for damage and replace if necessary.
- 4. All fuse and certain resistors and capacitors which are of the flameproof type must be replaced with exact same types to prevent potential fire hazard.
- 5. After re-assembly of the set always perform and AC-leakage test on the exposed metallic parts of the cabinet such as the knobs, antenna terminal, etc. to be sure the set is safe to operate without danger of electrical shock.

To order repair parts.

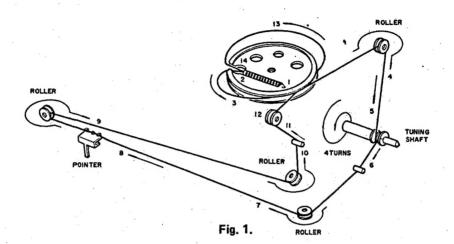
Parts order must contain;

- 1. Model Number—found front cover in this service manual.
- 2. Part Number, Description and Quantity

CONTENTS

olial cord arrangement
dignment instructions
chematic diagram
lectrical parts location
lectrical service parts list
xploded view for cabinet
arts list for cabinet exploded view
ervice parts list for Deck Mechanism
exploded view for Deck Mechanism

DIAL CORD ARRANGEMENT



Set the varicon to minimum frequency and string the cord by following the number sequence order as shown in Fig. 1.

ALIGNMENT INSTRUCTIONS

This cassette radio has been aligned at the factory and normally will not require further adjustment. As a result, it is not recommended that any attempt is made modify any circuit. If any parts are replaced or if anyone tampers with the adjustment, realignment may be necessary.

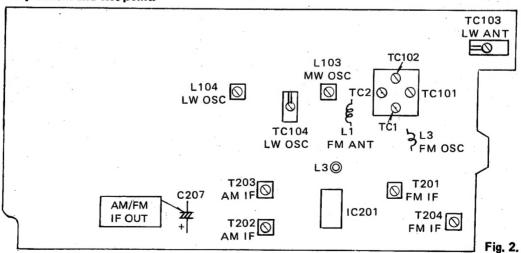
Test equipment required

- 1. AM/FM signal generator
- 2. IF sweep generator (10,7MHz) for FM
- 3. IF sweep generator (455kHz) for AM
- 4. Standard dummy antenna for FM

- 5. Standard loop antenna for AM
- 6. VTVM
- 7. Oscilloscope
- 8. Frequency counter

Radio Alignment

Adjustment and test points



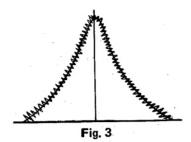
AM/FM Alignment Chart

AM IF sweep Input Output Dummy Dial Serting AM IF sweep AM IF sweep Terminal Terminal Ant. Input Centerator Tuning Gang Generator occilloscope or AM IF nenescope AM SSG MW Speaker Frobe "A" (Lowest freq.) AM SSG MW Speaker Tuning-Cang 515 kHz wave magnet terminal counter-clockwise 515 kHz wave magnet terminal counter-clockwise 515 kHz wave magnet terminal ILowest freq.) AM SSG and VTVM Speaker (Lowest freq.) AM SSG magnet terminal (Highest freq.) AM SSG magnet terminal (Highest freq.) AM SSG magnet terminal (Highest freq.) AM SSG magnet terminal Tuning Gang fully AM SSG LW Speaker (Lowest fre.) AM SSG LW Speaker (Lowest fre.) AM SSG LW Speaker					Toet Point	*vio	•			
Heart				:						
AW IF anneacope or contractor and costilloscope or contractor and costilloscope or and VTVM Input Detector (Input Generator output Tuning Gang counter-clockwise MW AM SSG MW Speaker Tuning-Gang Tuning-Gang Oscilla- a 515 kHz wave magnet toring toring toring toring toring toring toring toring toring and VTVM and VTVM Tuning-Gang C Repeat the above item 2-(a), (b) for minimum change. C Repeat the above item 2-(a), (b) for minimum change. Tuning-Gang clockwise clock	Step	ftem	F.	itrument quency	Input Terminal	Output Terminal	Dummy Ant.	Dial Setting	Adjustment Point	Purpose
MW	-	AM-1F		AM IF sweep	AM	Detector	Generator	Tuning Gang	T203	Adjust for the scope
MW AM SSG MW Speaker Trobe "A" (Lowest freq.) Oscilla- a 515 kHz wave magnet output tor counter-clockwise Tuning-Cang counter-clockwise tor and VTVM and VTVM AM SSG Tuning-Cang counter-clockwise h AM SSG tor Hebo kHz Counter-clockwise Tuning-Cang counter-clockwise h AM SSG and VTVM AM SSG Tuning-Cang clockwise Tuning-Cang clockwise h AM SSG AM SSG AM SSG Tuning-Cang clockwise Tuning-Cang clockwise h AM SSG magnet the above item 2.(a), (b) for minimum change. AM SSG Tuning-Gang clockwise h AM SSG magnet the above item 3.(a), (b) for minimum change. Tuning Gang fully Tuning Gang fully c Repeat the above item 3.(a), (b) for minimum change. LW Speaker Tuning gang fully c Repeat the above item 3.(a), (b) for minimum change. LW Speaker Tuning gang fully d Gockwise 150 kHz cutput Counter clockwise d Gockwise counter clockwise Clockwise d Gockwise Counter clockwise				generator and	<u></u>	output	output	counter-clockwise		Pattern with specified
MW AM SSG MW Speaker Tuning-Gang Oscilla- a 515 kHz wave magnet output counter-clockwise tor and VTVM and VTVM counter-clockwise counter-clockwise and VTVM and VTVM counter-clockwise clockwise and VTVM and VTVM clockwise clockwise AM SSG magnet terminal (Highest freq.) NW so Co kHz (Highest freq.) (Highest freq.) AM SSG magnet terminal (Highest freq.) AM SSG magnet terminal terminal LW AM SSG magnet terminal LW AM SSG LW Speaker AM SSG LW <t< td=""><td></td><td></td><td>,</td><td>oscilloscope or</td><td>Input</td><td>(R203)</td><td>Probe "A"</td><td>(Lowest freq.)</td><td>T202</td><td>marker (IF freq.)</td></t<>			,	oscilloscope or	Input	(R203)	Probe "A"	(Lowest freq.)	T202	marker (IF freq.)
MWW AM SSG MW Speeker Tuning-Gang Oscilla- a 515 kHz wave magnet Output counter-clockwise tor 400Hz, 30% Mod) ant. or detector None (Lowest freq.) tor 1650 kHz counter-clockwise Tuning-Gang clockwise and VTVM and VTVM wave-clockwise clockwise Track- a 600 kHz magnet terminal ing 400Hz, 30% Mod) MW Speaker (Highest freq.) AM SSG magnet terminal Tuning Gang fully c Repeat the above item 3-(a), (b) for minimum change Tuning Gang fully dooltz, 30% Mod) wave magnet cutput cutput dooltz, 30% Mod) wave magnet cutput cutput dooltz, 30% Mod) wave magnet cutput cutput doold-z, 30% Mod) wave magnet cutput cutput doold-z, 30% Mod) and VTVM and VTVM and VTVM and VTVM ant				AM IF genescope						as illustrated in
MW AM SSG MW Speaker Tuning-Gang Oscille- a 515 kHz vave magnet output counter-clockwise tor (400Hz, 30% Mod) ant. or detector None (Lowest freq.) 1650 kHz 1650 kHz C Repeat the above item 2-(a), (b) for minimum change. Tuning-Gang MW AM SSG MW Speaker (Highest freq.) Ing 400Hz, 30% Mod) MW Speaker (Highest freq.) Ing AM SSG magnet terminal Tuning Gang fully LW AM SSG magnet terminal LW AM SSG magnet terminal AM SSG and VTVM ant.										fig. 3 (Note 1)
Docilia- a 515 kHz	2	MM		AM SSG	MW	Speaker		Tuning-Gang		
tor tor (400Hz, 30% Mod.) ant. terminal or detector and VTVM AM SSG AM SSG Track- a 600 Hz 30% Mod.) ant. terminal output ting and VTVM AM SSG LW AM SSG C Repeat the above item 3-(a), (b) for minimum change. (Highest freq.) AM SSG LW AM SSG C Repeat the above item 3-(a), (b) for minimum change. (Highest freq.) AM SSG LW AM SSG C Repeat the above item 3-(a), (b) for minimum change. (Highest freq.) AM SSG C Repeat the above item 3-(a), (b) for minimum change. (Lowest fre.) AM SSG AM AN SSG AM AN SSG AM AN SSG AM AN		Oscilla-	æ	515 kHz	wave magnet	output		counter-clockwise	L103	
B AM SSG		tor		(400Hz, 30% Mod).	ant.	terminal				
December				and VTVM		or detector	None	(Lowest freq.)		
1650 kHz						output				
1650 kHz			۵	AM SSG						Adjust for maximum
MW				1650 kHz			٠.	Tuning-Gang		gain,
c Repeat the above item 2-(a), (b) for minimum change. (Highest freq.) MW AM SSG AM SSG Track- a 600 kHz ing AM SSG MW Speaker output terminal b AM SSG magnet terminal Tune to signal c Repeat the above item 3-(a), (b) for minimum change Tuning Gang fully c Repeat the above item 3-(a), (b) for minimum change Tuning Gang fully d 400Hz, 30% Mod) wave magnet output Tuning gang fully d 400Hz, 30% Mod) wave magnet output Counter clockwise d 350 kHz output Iteminal d 350 kHz output Clockwise and VTVM output AM SSG and VTVM output Iteminal clockwise and VTVM output AM SSG				(400Hz, 30% Mod)				clockwise	TC102	
MW AM SSG		,		and VTVM				(Highest freq.)		
MW AM SSG MW Speaker ing 400Hz, 30% Mod) MW Speaker ing and VTVM wave- output b AM SSG magnet terminal 1400 kHz ant. or detector None Tune to signal c Repeat the above item 3-(a), (b) for minimum change Tuning Gang fully c Repeat the above item 3-(a), (b) for minimum change Tuning gang fully d 400Hz, 30% Mod) wave magnet output d 400Hz, 30% Mod) wave magnet output d and VTVM ant. or detector d 350 kHz output Tuning gang fully d and VTVM Am SSG output (Highest fre.)			ပ		n 2-(a), (b) for mini	mum change.				
Track- a 600 kHz MW Speaker and VTVM wave- output		MW		AM SSG					L101	
ing (400Hz, 30% Mod)		Track-	Ø	600 kHz					MW ant. coil	
b AM SSG magnet terminal 1400 kHz ant output Tune to signal c Repeat the above item 3-(a), (b) for minimum change Tuning Gang fully LW AM SSG LW Speaker Tuning Gang fully OSC a 150 kHz LW Speaker Counter clockwise AM SSG wave magnet output (Lowest fre.) AM SSG output Tunning gang fully b 350 kHz output Clockwise and VTVM and VTVM Am SSG Output		ing		(400Hz, 30% Mod)	MM	Speaker				Adjust for maximum
Magnet terminal None Tune to signal				and VTVM	wave-	output				gain.
1400 kHz 1400 kHz 20% Mod)			q	AM SSG	magnet	terminal				
(400Hz, 30% Mod)				1400 kHz	ant.	or detector	None	Tune to signal	TC101	
c Repeat the above item 3-(a), (b) for minimum change LW AM SSG OSC a 150 kHz LW Speaker counter clockwise (400Hz, 30% Mod) wave magnet output and VTVM ant. terminal AM SSG b 350 kHz and VTVM counter clockwise (Lowest fre.) and VTVM and VTVM AM SSG clockwise (Highest fre.) (Highest fre.)				(400Hz, 30% Mod)		output				
LW AM SSG OSC a 150 kHz AM SSG AM SPeaker Counter clockwise (Lowest fre.) and VTVM AM SSG AM				and VTVM						
LW AM SSG OSC a 150 kHz (400Hz, 30% Mod) wave magnet output and VTVM ant. terminal AM SSG b 350 kHz and VTVM counter clockwise (Lowest fre.) or detector and VTVM (Highest fre.) (Highest fre.)			ပ		n 3-(a), (b) for mini	mum change	,			
and VTVM b 350 kHz and VTVM b 350 kHz and VTVM change the above item 4-(a) (b) f vinimum change	-+	ΓW		AM SSG				Tuning Gang fully		
(400Hz, 30% Mod) wave magnet output and VTVM ant terminal Clowest fre.) AM SSG		osc	ю	150 kHz	LW	Speaker		counter clockwise	L104	
AM SSG AM SSG S50 kHz and VTVM and VTVM AM SSG Output clockwise (Highest fre.)				(400Hz, 30% Mod)	wave magnet	output		(Lowest fre.)		
AM SSG or detector None Tunning gang fully 350 kHz output clockwise and VTVM (Highest fre.)				and VTVM	ant.	terminal				Adjust for maximum
350 kHz clockwise and VTVM (Highest fre.)				AM SSG		or detector	None	Tunning gang fully		gain
and VTVM enest the above item 4.(a) (b) \$\frac{\psi}{\psi}\$ winimum change.			Þ	350 kHz	:	output		clockwise	TC104	
Peneat the above item 4-(a) (h) £				and VTVM		,		(Highest fre.)		
מסמר הום מסמר וופון ל-ומי ל	_		ပ	epeat the above iten		જાાંnimum change.				

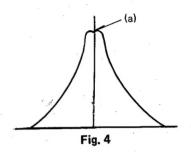
AM/FM Alignment Char (Cont'd)

				Test Point	=	•			
Step	Item	Fre	Instrument & Frequency	Input Ternminal	Output Terminal	Dummy	Dial Setting	Adjustment Point	Purpose
വ	ΓM		AM SSG				1.		
	Tracking	,m	160 kHz		Speaker			L102	
			(400Hz, 30% Mod)	LW	Output			LW ant, coil	
			and VTVM	wave magnet	terminal	None	Tune to signal		Adjust for maximum
				ant.	or detector				gain
			AM SSG		output				
		۵	330 kHz					TC103	
			(400Hz, 30% Mod)						
			and VTVM						
		ပ	Repeat the above item	item 5-(a), (b) for minimum change.	mum change.				
9	FM IF		FM IF sweep						Adjust for scope
			generator and					T201	pattern with specified
			oscilloscope or	FM IF	FM Det.	Generator	Tuning Gang		marker (10,7 MHz) as
	S-curve		FM IF genescope	input	output	output	fully counter		illustrated in fig. 5,6
					(R203)		clockwise	T204	(note (2), (3))
7	Ā		FM SSG 87 MHz	Ant.	Speaker	Generator	Tuning Gang		Adjust for maximum
	oscilla-	в	(400Hz, 22.5kHz	input	output	output	fully counter	F3	gain
	tor		Dev.) and VTVM		terminal	"Probe B"	clockwise		
							(Lowest freq.)		
		٩	FM SSG 109MHz	Ant.	Speaker	Generator	Tuning Gang		Adjust for maximum
			(400Hz, 22.5kHz	input	output	output	fully clockwise	TC1	gain
			Dev.) and VTVM		terminal	"Probe B"	(Highest freq.)		
		υ	he above	item 7-(a), (b) for minimum change.	mum change.				
ω	Σ		FM SSG	Ant.	Speaker	Generator			Adjust for maximum
	Track-	B	90MHz	input	output	output			gain.
	gui		(400Hz, 22.5kHz	terminal	terminal	"Probe B"	Tune to signal	-	
			(Dev,) and VTVM						
			FM SSG 106MHz	.Ant.	Speaker	Generator	Tune to signal	TC2	Adjust for maximum
		Q	(400Hz, 22.5kHz	input	output	output			gain.
			Dev.) and VTVM	terminal	terminal	"Probe B"			
		ပ	Repeat the above item	item 8-(a), (b) for minimum change.	mum change.				

Note 1.: Adjust T203 and T202 to get maximum gain and symmetry in IF response as shown in Fig. 3



IF response for weak input signal.



IF response for strong input signal.

After adjusting IF response for weak input signal, supply strong signal and also adjust T203 and T202 to make part (a) flat as shown in Fig. 4.

Note, 2: Adjust output of sweep generator so that noise appears on IF-curve as shown in Fig. 5 below and adjust T201 for maximum indication.

Note 3.: Adjust T204 to be IF-curve into S-curve (See Fig.6) and adjust T204 so that declined part of S-curve has to be just linear.

If ceramic filter is used in RF part, adjust T204 so that part (A) and part (B) are symmetrical on either side of vertical line, because the marker of 10.7MHz on sweep generator is not on the center of S-curve.

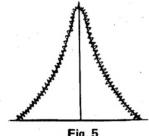


Fig. 5

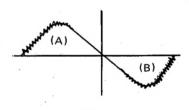
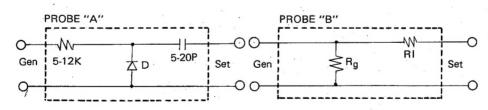


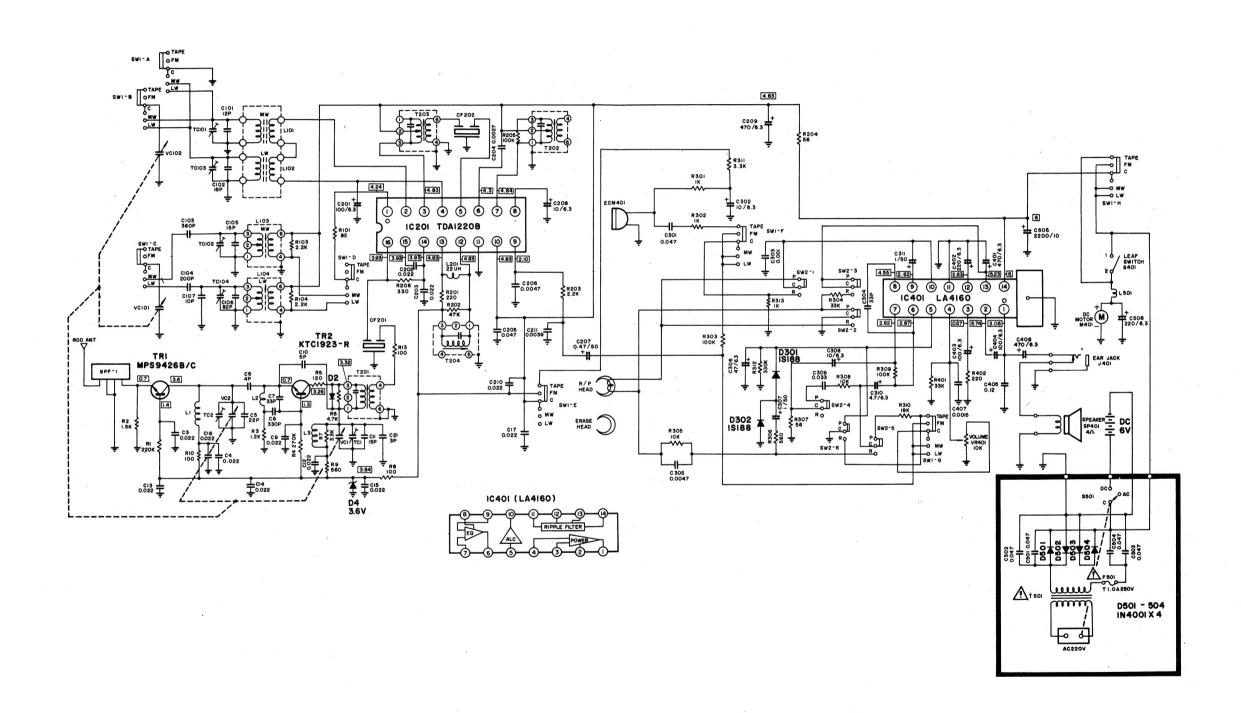
Fig. 6



Rg: FM SSG Output

Ri:
$$75 - \frac{Rg}{2}$$

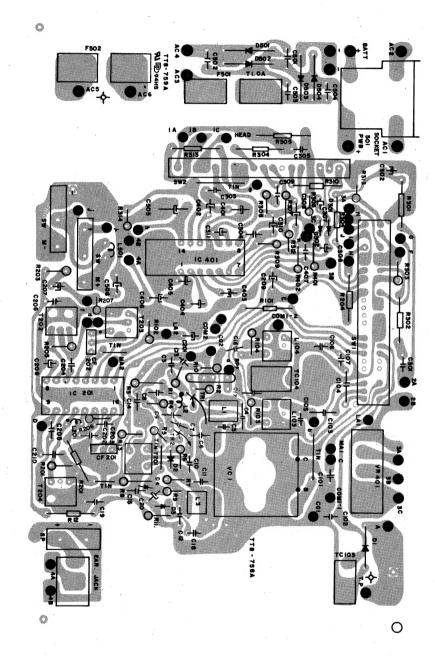
SCHEMATIC DIAGRAM



- 6 -

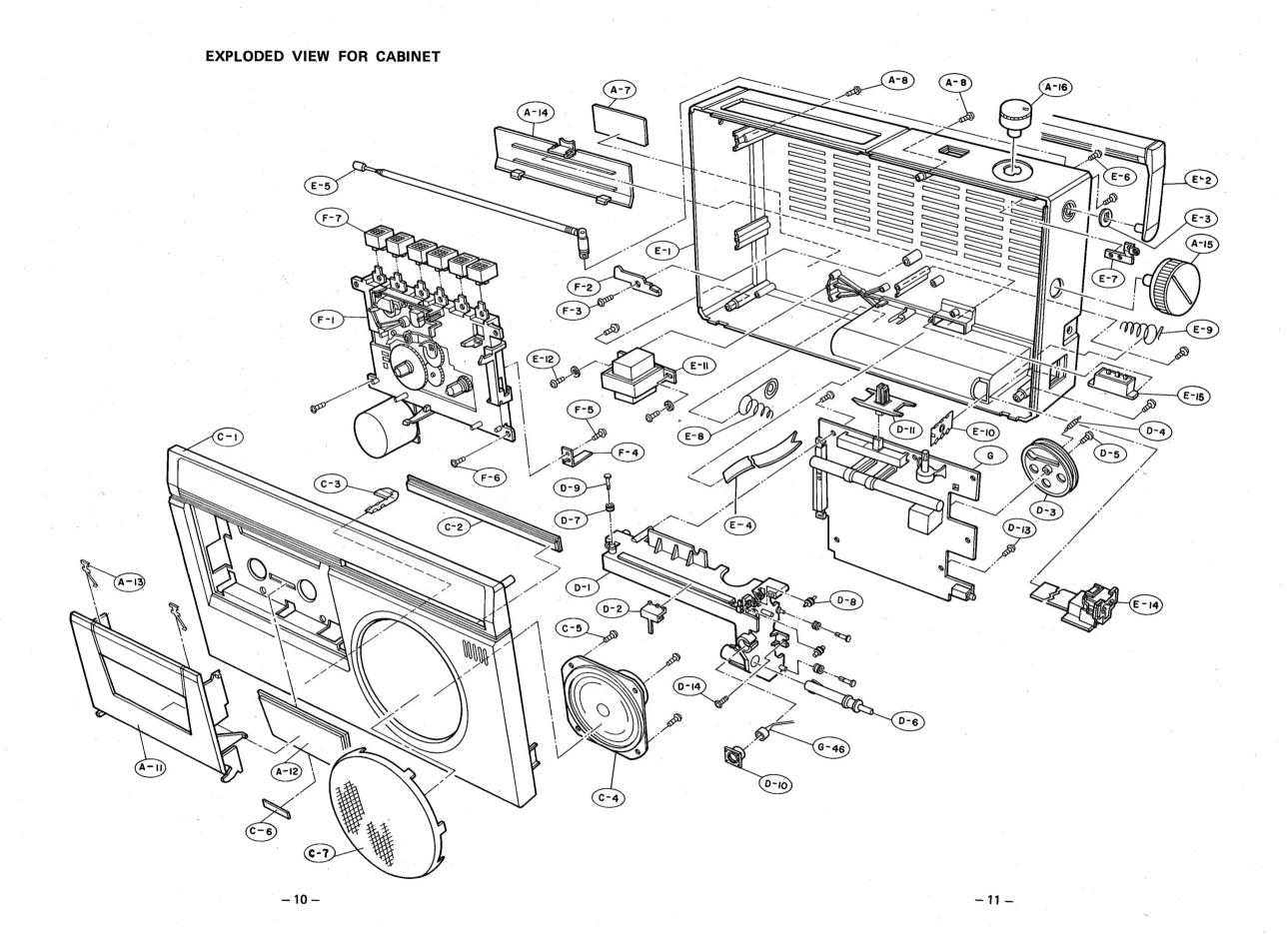
-7-

ELECTRICAL PARTS LOCATION



ELECTRICAL SERVICE PARTS LIST

PAR	PART NO	DESCRIPTION	SYMBOL NO	PART NO	DESCRIPTION
INTEGRATED CIRCUITS			1 201	630 003T	COLL BADDING 22
668-017A IC, TDA1	IC, TDA1	IC. TDA1220B (AM/FM IF)		100-600	מסובי, ו מסטוועם צבעה
	IC. LA416	IC LA4160 (AUDIO)	L501	639-0031	COIL, PADDING 4.7μ H
			T201	644-018F	TRANS, FM IF
TRANSISTORS AND DIODES			T202	644-019E	TRANS, AM IF
662-601A TB MPS9426B	TR MPS942	98	T203	644-039M	TRANS' AM IF
	TR. KTC192	38	T204	647-011F	DISCRIMINATOR
	DIODE, AM 1	K60	√i \ T501	641-671P	TRANS, POWER
654-622G DIODE, UZ-3.6B	DIODE, UZ-3.	6B			
651-001C DIODE, AM1K60	DIODE, AM1K	09	MISCELLANEOUS		
652-005A DIODE, 1N4001	DIODE, 1N4001		SW1	552-627A	SWITCH-TAPE/FM/MW/LW
	DIODE 1N4001		SW2	552N070A	SWITCH-REC/PLAY
		, .	VR401	611-648D	VR, K161A00-50KA
COILS AND TRANSFORMERS			BPF-1	616-011A	FILTER, BAND PASS
635-009H COIL FM RF	COIL FM RF		CF201	616-007A	FILTER, CERAMIC SFE 10.7MAB
	COIL FM RF		CF202	616-003E	FILTER, CERAMIC SFU 465B
	COIL FM OSC		VC1,2	622N048B	VARICON, POLY P2Z-22BPT
	COIL, MW/LW	LNA	TC103,104	623N023H	TRIMMER, 20P
	COIL, MW OSC		<	542N023B	MIC, CONDENSER
634-037L COIL, LW OSC	COIL, LW OSC		/i/ F501	585-109B	FUSE, 1A



PARTS LIST FOR CABINET EXPLODED VIEW

This parts list is only applicable to Gold Star standard. Unless the set under service is Gold Star standard, be sure that all parts No's are subject to modifications.

SYMBOL NO	PART NO	DESCRIPTION	SYMBOL NO.	PART NO.	DESCRIPTION
A-8	353-067F	SCREW, SPECIAL	E	215-539A	CASE AY, REAR
A10	681-010A	CORD, POWER	E-1	217-321F	CASE, REAR
A-11	226-008A	CASE, CST	E-2	261-013A	HANDLE
A-12	236-007A	WINDOW, DOOR	E-4	455N002C	RIBBON, BATTER
A-13	442-211A	SPRING, CST	E-5	532-006B	ANT, ROD
A-14	221-399C	COVER, BATTERY	E-6	MAC1839L	SCREW
A-15	271-145B	KNOB, TUNING	E-7	562-603A	LUG, ANT
A-16	272-607A	KNOB, VOLUME	E-8	442-703A	SPRING, BATTERY
С	215-538A	CASE AY, FRONT	E-9	442-703B	SPRING, BATTERY
C-1	217-006F	CASE, FRONT	E-10	256N404A	PLATE, BATTERY
C-2	236-172A	WINDOW, SCALE	E-11 /	641-671P	TRANS, POWER
C-3	442-701A	SPRING	E-12	353-052C	SCREW
C-4	541-169C	SPEAKER	E-14	577-005B	SOCKET, 2P
C-5	353-052E	SCREW	F-1	412-069C	DECK (LE-20)
C-6	256-261E	PLATE, REFLECTION	F-2	321-530A	BRACKET, REC
C-7	224-002A	GRILL, SPEAKER	F-3	353-0520	SCREW
D	311-216A	CHASSIS AY	F-4	442-702A	SPRING, REC
D-1	313-243A	CHASSIS	F-5	353-022A	SCREW
D-2	361-610A	POINTER	F-6	353-025G	SCREW
D-3	431N088A	PULLEY DIAL	F-7	275-074A	BUTTON, DECK
D-4	442N073A	SPRING	G	511-758A	PWB AY
D-5	MPC1530J	SCREW	G-46	542N023B	MIC, CONDENSER
D-6	423-101 A	SHAFT, TUNING			
D-7	434N003F	ROLLER			
D-8	434-018A	ROLLER			
D-9	423N254A	SHAFT, ROLLER			
D-10	341N045B	BUSHING, MIC	İ		
D-11	272-345A	KNOB, S/W			,
D-13	353-025G	SCREW			
D-14	TRQ1839J	SCREW			

SERVICE PARTS LIST FOR DECK MECHANISM

REF.	PART NO	DESCRIPTION	REF. NO	PART NO	DESCRIPTION
1.	99P-0061	LUG	35.	99P-0086	RUBBER CUSHION
2.	99P-0062	RP HEAD	36.	99P-0087	MOTOR BRACKET
3.	99P-0063	AUTO STOP LEVER	37,	99P-0088	MOTOR AY
4.	99P-0064	ARM SPRING	37-1	99P-0089	MOTOR PULLEY
5.	99P-0065	PINCH ARM AY	37-2	99P-0090	MOTOR
6.	99P-0066	E-HEAD BASE AY	39.	99P-0091	LEAF SWITCH
j.	99P-0067	C SPRING (HEAD)	40.	99P-0092	FR LEVER
8.	99P-0068	HEAD BASE	41.	99P-0093	LEVER HOLDER
9.	99P-0069	HEXAGON NUT	42.	99P-0094	C SPRING
11,	99P-0070	INTER LOCK	43.	99P-0095	C SPRING
12.	99P-0071	DOOR LOCK	44.	99P-0096	LEVER LOCK
13.	99P-0072	C-SPRING (BACK TENSION)	45.	99P-0097	ACTING PLATE
14.	99P-0073	S-REEL	46.	99P-0098	LEVER HOLDER
15.	99P-0074	T-REEL	47.	99P-0099	PAUSE ARM
16.	99P-0075	PLAY ARM	48.	99P-0100	C SPRING
17.	99P-0076	P-GEAR	49.	99P-0101	C SPRING (REC LEVER)
18.	99P-0077	F-GEAR	50.	99P-0102	PAUSE LEVER
20.	99P-0078	C-SPRING (HEAD BASE)	51.	99P-0103	P LEVER
24.	99P-0079	CASSETTE HOLDER	52.	99P-0104	F LEVER
27.	99P-0080	EARTH LUG	53.	99P-0105	R LEVER
30.	99P-0081	BELT	54.	99P-0106	REC LEVER
31.	99P-0082	CAPSTAN SUPPORT	55.	99P-0107	SE LEVER
32.	99P-0083	IDLER AY	56,	99P-0108	C SPRING
33.	99P-0084	FLYWHEEL AY	57.	99P-0109	WASHER OIL CUT
34.	99P-0085	SD SCREW	58.	99P-0110	C SPRING
			101.	99P-0111	TAPPING SCREW
			102.	99P-0112	BINDING SCREW 2×10
	*			,	
				·	
40					

EXPLODED VIEW FOR DECK MECHANISM

